

DECUS

MINIST-11 SIG NEWSLETTER MINISTER

JULY 1976

VOL. 2 NO. 2

Contributions to the newsletter should be sent to:

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MIT/LNS Bates Linear Accelerator
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Middleton, Mass. 01949

FROM THE CHAIRMAN

1976 SPRING DECUS SYMPOSIUM AT ATLANTA

THE ATLANTA MEETING INCLUDED MANY SESSIONS OF INTEREST TO RT-11 USERS. I WILL ATTEMPT TO REPORT IN THIS ARTICLE AND IN THE NEXT ISSUE ON THOSE I WAS ABLE TO ATTEND. I ENCOURAGE OTHER ATTENDEES TO REPORT ON SESSIONS I WAS UNABLE TO ATTEND.

RT-11 PRODUCT PANEL

THIS SESSION WAS RECORDED, SO A FULL REPORT WILL BE DELAYED UNTIL THE TRANSCRIPT BECOMES AVAILABLE. PLANS FOR VERSION 3 WERE ANNOUNCED AS WELL AS FUTURE SOFTWARE MAINTENANCE POLICY.

RSX-11M MACRO WILL BE MOVED TO RT-11. THIS WILL ELIMINATE THE NEED FOR ASSEMBLE AND EXPAND, AND ENABLE PSECTS AND GLOBAL ARITHMETIC. EXTRACTION OF A MODULE FROM THE LIBRARY WILL BE MADE POSSIBLE.

THE LINKER WILL NOT RECEIVE A NEW STRUCTURE.

A DISK UTILITY FROGRAM WILL BE ADDED TO HANDLE DIRECTORY INITIALIZATION AND OTHER FUNCTIONS NOW HANDLED BY PIP.

THE ? FEATURE WILL BE ADDED TO PIP.

TECO WILL NOT BE SUPPORTED IN VERSION 3.

THE MT HANDLER WILL BE SPLIT INTO A FILES HANDLER AND A

HARDWARE-MODE HANDLER.

MEMORY MANAGEMENT WILL BE SUPPORTED VIA 18 BIT ADDRESSING FOR HANDLERS AND PLAS (PROGRAM LOGICAL ADDRESS SPACE) AS IN RSX-11M.

THESE CHANGES WILL BE IMPLEMENTED VIA SYSGEN OPTION OR OPTIONAL MODULES, SO SMALL USERS WILL NOT BE IMPACTED.

THERE WAS CONSIDERABLE DISCUSSION OF THE FUTURE MAINTENANCE POLICY.

VERSION 3 SHOULD BE AVAILABLE IN MARCH.

A MORE DETAILED ACCOUNT WILL BE GIVEN NEXT ISSUE, WHEN THE TRANSCRIPT OF THE RECORDINGS WILL BE AVAILABLE.

DOCUMENTATION WORKSHOP

IN ADVANCE OF THE DOCUMENTATION WORKSHOP, FRED MAGEE (RT-11 SIG DOCUMENTATION COMMITTEE CHAIRMAN) AND I MET WITH ARMEN VARTORESSIAN TO DISCUS DOCUMENTATION NEEDS.

THIS SESSION WAS ALSO RECORDED, AND A MORE DETAILED ACCOUNT WILL BE GIVEN IN A FUTURE ISSUE OF THE MINITASKER.

THE VO2C SYSTEM REFERENCE MANUAL WILL BE DIVIDED INTO A SYSTEM USER'S GUIDE AND AN ADVANCED PROGRAMMER'S GUIDE. A MASTER INDEX AND INTRODUCTION TO RT-11 WILL BE ADDED.

USERS VOLUNTEERED THEIR IN-HOUSE INTRODUCTORY DOCUMENTATION TO GIVE THE WRITERS SOME INDICATION OF WHAT IS NEEDED IN THAT AREA. IF YOU HAVE SUCH DOCUMENTATION, PLEASE SEND IT TO ME FOR FORWARDING TO DEC.

RT-11 SIG

THE RT-11 SIG MEETING FOCUSED ON THE DECUS LIBRARY AND LOCAL USER (LUGS). GREGG CHURCH OF THE WASHINGTON D.C. LUG REPORTED ON HIS EXPERIENCE IN HELPING TO FORM THE LUG, AND ON WHAT BENEFITS RECEIVES FOR HIS PARTICIPATION. EXCHANGE OF HARDWARE AND SOFTWARE EXPERTISE, MAINTENANCE OF A LOCAL LIBRARY, MEDIA EXCHANGE, THE **APPLICATIONS** FAMILIARIIZATION WITH OF THE OTHER USERS CONSIDERED MOST IMPORTANT. THE INTERFACE WITH DIGITAL IS OF GREAT VALUE, BUT MUST NOT BE ALLOWED TO DEGENERATE INTO A GRIPE SESSION.

OF THE 2500 KNOWN INSTALLATIONS, ONLY 700 ARE ON THE SIG MAILING LIST. IF YOU DO NOT RECEIVE THIS NEWSLETTER, PLEASE FILL OUT A SIG MEMBERSHIP APPLICATION FORM, EVEN IF YOU HAVE ALREADY DONE SO.

SINCE MANY RT-11 INSTALLATIONS ARE SMALL, THEY CANNONT AFFORD TO ATTEND THE SYMPOSIUM. LOCAL USER GROUPS ARE ESSENTIAL TO THESE INSTALLATIONS. SEVERAL ATTENDEES VOLUNTEERED TO HELP ORGANIZE LUGS IN THEIR AREAS. A LIST OF ALL KNOWN LUG CONTACTS WILL BE PUBLISHED IN THIS ISSUE. IF THERE IS NO GROUP IN YOUR AREA AND YOU ARE WILLING TO HELP START ONE, WE WILL ADD YOUR NAME TO THE LIST.

DAVE SYKES, OUR REPRESENTATIVE TO THE DECUS LIBRARY COMMITTEE, REPORTED ON THE STATE OF THE LIBRARY, AS REGARDS LIMITATIONS IN MEDIA AVAILABILITY AND LACK OF RT-11 PROGRAMS. IT WAS DECIDED LIBRARIES TO SHAKE DOWN USER PROGRAMS, PROVIDE MEDIA EXCHANGE DEVELOP FOR LUG MEMBERS, AND TECHNIQUES SUCH AS MACHINE READABLE DOCUMENTATION AND STANDARDS. IN THIS WAY, WE HOPE TO HELP THE LIBRAR'S IN MAYNARD TO BECOME MORE RESPONSIVE TO THE NEEDS OF THE USERS.

MEETING OF SIG CHAIRMEN AND DEC SOFTWARE ENGINEERING MANAGEMENT

THE MAIN ISSUE AT THIS MEETING WAS THE NEED FOR INCREASED COMMUNICATION BETWEEN DIGITAL MANAGEMENT AND SIG LEADERSHIP. THE SIG CHAIRMEN ALSO REQUESTED INCREASED FINANCIAL SUBSIDIZATION OF THE DECUS LIBRARY BY THE PRODUCT LINES, MORE HARDWARE FOR DEMONSTRATION IN THE EQUIPMENT AREA AT THE SYMPOSIUM, AND SOME CONFIGURATION AT THE SUMPOSIUM CAPABLE OF DOING MEDIA TRANSFER TO EXPEDITE USER EXCHANGE OF SOFTWARE.

LUG CONTACTS

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INSTALLATIONS

California Cooperative Creamery P.O. Box 871 Petaluma, California 94952

Contact: Lou Mills

The Creamery's RT-11 system consists of the following:

PDP-11/10

16K words of core memory

KW11-L line time clock

DR11-K general device interface

DL11-C asynch serial line interface

LA36 Decwriter II

RX11 dual floppy disk unit

PC11 paper tape reader/punch

The DR11-K interfaces an Infra-Red Milk Analyzer (IRMA) to the 11/10. The IRMA provides 16 bits of parallel data to the DR11-K. The DR11-K is bit interruptable via the first 3 high-order bits, and the resulting data is a datum component id and value. IRMA tests milk samples for their milkfat, protein and lactose percentages.

The DL11-C is interfaced to an INFORMER video display terminal (model D301) for the IRMA data displays at 2400 Baud.

We are using RT-11 version 2 with MACRO-11 and BASIC.

The Creamery also has an IBM 370/115 for batch commercial processing.

DEC

PERFORMANCE IMPROVEMENT IN LINKER

PROBLEM: Speed performance of the linker.

DISPOSITION: An enhancement was made to the linker involving the execution time when linking with libraries. The most dramatic change in linking time is noticed when using a slower CPU (e.g., 11/05 or 11/10). The following patch is to LINK V04=04 (RT=11 V02C).

.R PATCH <CR>

PATCH VØ1-02

FILE NAME -- *LINK.SAV <CR> *616/ 1043 1077 < CR> *E .R PATCH < CR>

PATCH V01-02

FILE NAME -- *LINK.SAV/O <CR>

```
?BOTTOM ADDR WRONG?
*500:B
*3242/
         12700
                  105767 <LF>
3244/
         1636
                 176531 <LF>
3246/
         10146
                 1404 <LF>
3250/
         10003
                 167 <LF>
3252/
         12702
                 6040 <LF>
3254/
                 62704 <LF>
        10
                 10 <LF>
3256/
         112420
                 11400 <LF>
3260/
         105767
3262/
         176513
                 1416 <LF>
3264/
         1412
                 21100 <LF>
3266/
        20405
                 1372 <LF>
3270/
         103410
                 26164 <LF>
                 2 <LF>
3272/
        10046
3274/
         105067
                 2 <LF>
3276/
         176475
                 1366 <LF>
3300/
         4767
                 12703 <LF>
3302/
         1054
                 1636 <LF>
3304/
         12600
                 10300 <LF>
3306/
         105167
                 12420 <LF>
3310/
        176463
                 12420 <LF>
3312/
        5302
                 12420 <LF>
3314/
        1360
                 12420 <LF>
3316/
        10300
                 207 <LF>
3320/
        5202
                 261 <LF>
                 207 <CR>
3322/
        22123
*7210;0R
                          12702 <LF>
*2:0,2104/
                 XXX
2:0,2106/
                 XXX
                          4 <LF>
                 XXX
                          12703 <LF>
2:0,2110/
2:0,2112/
                 XXX
                          1636 <LF>
2:0,2114/
                 XXX
                          5714 <LF>
                 XXX
                          1424 <LF>
2:0,2116/
2:0,2120/
                 XXX
                          20405 <LF>
                          103406 <LF>
                 XXX
2:0,2122/
210,2124/
                 XXX
                          105067 <LF>
                 XXX
                          170435 <LF>
2:0,2126/
2:0,2130/
                 XXX
                          4767 <LF>
                 XXX
                          173014 <LF>
2:0,2132/
2:0,2134/
                 XXX
                          105167 <LF>
                          170425 <LF>
                 XXX
2:0,2136/
                 XXX
2:0,2140/
                          12423 <LF>
2:0,2142/
                 XXX
                          5302 <LF>
2:0,2144/
                 XXX
                          1365 <LF>
2:0,2146/
                 XXX
                          12703 <LF>
2:0,2150/
                 XXX
                          1636 <LF>
```

210,2152/	XXX	21113 <lf></lf>
2:0,2154/	XXX	1353 <lf></lf>
2:0,2156/	XXX	26163 <lf></lf>
2:0,2160/	XXX	2 <lf></lf>
2:0,2162/	XXX	2 <lf></lf>
2:0,2164/	XXX	1347 <lf></lf>
2:0,2166/	XXX	207 <lf></lf>
2:0,2170/	XXX	261 <lf></lf>
2:0,2172/	XXX	207 <cr></cr>
*7216;0R		
*4:Ø,24\	40	101 <cr></cr>

The new LINK version will be LINK VØ4-04A.

Note: The ?BOTOM ADDR WRONG? error is produced for the following reason. Patch expects LINK to be loaded at location 1000 (default), but is actually loaded starting in location 500. LINK's true base address must be set to its actual value (500;R).

SPRS

SYSTEM PROGRAM AND VERSION BASIC/RT-11	•		MONITOR AI	ND VERSION 1 SJ V20	,		11-MAY-76
NAME: HAROLO R. B	ERENSON		DEC OFFICE	ONG ISLANG)		
ADDRESS: PLAINVIEW,		••	<u></u> 000	DIC/CODING ERRO CUMENTATION EI		XIX.	ORITY LOW STANDARD HIGH
SUSMITTED BY: HAL BERKHAR LIST ATTACHMENTS	PHONE: 516-822-610	8	FO	OIRY R YOUR INFORMA E PROBLEM BE R		ED AT WI	LL?
CPU TYPE SERIAL NO. 210068	SYSTEM DEVICE	MEMOR	Y SIZE	DISTRIBUTION	MEDIUM		

SOLUTIONS:

- 1) IMPLEMENT "SLEEP" SYS CALL
- 2) USE A CALL TO AN ASSEMBLY SUBROUTINE

Incutar:

DOES DISITAL HAVE ANY PLANS FOR (A) AND HOW WOULD (B) BE IMPLEMENTED.

1	PROGRAM AND VERSION (OR DOCUMENT)				MONITOR AND VERSION DATE			
EDITOR VO2	TOR VO2-12			RT-11 V02C-02 26-APR-76				
NAME Do	E: Dr. C.D.Lowenstein			DEC OFFICE				
		omotomr	-	San Die	go			
FIRM: Marine Physical Laboratory University of California, San Diego				REPORT	TYPE	PRIO	RITY	
ADDRESS:			go	¥¥#øø			OW	
MPL BLDG. 106			ļ	<u>, 1:4</u> / / / /	UMENTATION ERROR		STANDARD	
	Undersea Cent	er			GESTION		HIGH	
San D.		ZIP 9213	2	☐ INOL				
SUBMITTED BY:		PHONE:		FOR	YOUR INFORMATION			
William B.)-452-2310		CAN 7111	E PROBLEM BE REPRODUC	ED AT	WILL 2	
LIST ATTACHME	ENTS			CAN IH	YES NO	EU AI	WILL!	
NONE CPU TYPE	SERIAL NO.	SYSTEM DEVICE	1 1451405	Y SIZE	DISTRIBUTION MEDIUM			
11/40	8451	1	28K					
11/40		RK05	20K		RKO5			
PROBLEM:	abort the jo or write-loc	b if the user ked device, or n cause the en	tries an Ed	to performit Read f	rors, causing the mon m an Edit Write to a rom an off-line devi esion to be lost due	an off ice.	-line This	
DIAGNOSIS:	monitor from				rammed request to pring a directory I/0			
CURE:	of inserting this install the monitor	a .SERR in thation and has	e code caused the s	will do to no proble oft/hard e	rors. The simple mothis. This has been ems, except for the error flip-flop in to 284)	n done fact	e at that	
SYSTEM PROGE MONITOR	RAM AND VERSION	(OR DOCUMENT)		MONITOR A	ND VERSION 02C-02		DATE 26-APR-76	
	C.D.Lowensteir			San Die				
1	ne Physical La	•		REPORT	TVAL	DD I	DRITY	
Univ	ersity of Cali	ifornia, San Di	.ego	l		_		
ADDRESS:	BLDG. 106				GIC/CODING ERROR		LOW STANDARD	
	l Undersea Cer	nter			CUMENTATION ERROR EGESTION	_	HIGH	
San	Diego, Ca.	ZIP 9213	32	ļ	UIRY	<u></u>	111011	
SUBMITTED BY		PHONE:			R YOUR INFORMATION			
William B.		+)-452-2310				CED 43	F 14/11 1 2	
LIST ATTACHMENTS CAN THE PROBLEM BE REPRODUCED [X] YES NO					CED A	VVILL		
Frogram Listing & printout								
CPU TYPE 11/40	SERIAL NO. 8451	RKO5	мемо 28к	RY SIZE	RKO5			
PROBLEM:	RO is set t fact not th	to 0 on return ne caseLOOK a non-file stru	from a CUP ret actured	non-file urns the .LOOKUP.	GA-C-D states on pa structured .LOOKUP address of the DEVE ut demonstrate the	. Thi LK in	s is in RO after	

.MAIN. RT-11 MACRO VM02-12 23-APR-76 17:20:12 PAGE 1

```
1
                         PROGRAM LOKTST
                         A SHORT TEST PROGRAM TO SEE WHAT LOOKUP RETURNS IN RO
4
5
                                 ... V2..., REGDEF, PRINT, CSISPC, LOOKUP
                         . MCALL
                         .MCALL .TTYOUT, .CLOSE
 000000
                         . REGDEF
8 000000
                         . . V2. .
9 000000
                 START:
                         . PRINT
                                  #DEVMSG
                                                           ; PROMPT USER
                         . CSISPC #OUTSPC, #DEFEXT, #0
10 00006
                                                           FINPUT FROM TT:
11 00024 103004
                         BCC
                                  1$
                                                           CHECK FOR CSI ERRORS
12 00026
                         . PRINT
                                  #HUHMSG
13 00034 000761
                         BR
                                  START
14 00036
                         .LOOKUP #AREA, #0, #INSPC
                 1$:
                                                           ;LOOKUP 1ST INPUT FILE
15 00066 010002
                         MOV
                                  R0, R2
                                                           ; SAVE RETURN RØ
16 00070 103007
                         BCC
                                  2$
                                                           ;NO C-BIT => NO ERROR
17 00072 113701
                         MOVB
                                  0#52,R1
                                                           FETCH ERROR BYTE
         000052
   90076
                         PRINT
                                  #ERRMSG
19 00104 004767
                         JSR
                                  PC, OCTPRT
                                                           REPORT ERROR
         000030
20 00110 010201 2$:
                         MOV
                                  R2, R1
                                                           ;FETCH SAVED RØ
21 00112
                         . PRINT
                                  #RØMSG
                                                           ;REPORT IT
22 00120 004767
                         JSR.
                                  PC,OCTPRT
         000014
23 00124
                         . CLOSE
                                  #0
24 00136 000720
                         BR
                                  START
25
26
                         BINARY TO OCTAL PRINTER
                 j
27
28 00140 112700 OCTPRT: MOVB
                                  #30, R0
                                                           ; FIRST DIGIT IS SIGN BIT
         000030
29 00144 000261
                         SEC
30 00146 006101 1$:
                         ROL
                                  R1
B1 00150 106100
                         ROLB
                                  R0
32 00152
                         . TTYOUT
                                                           JPRINT IT
BB 00156 112700
                         MOVB
                                  #206, R0
                                                           ; LOAD SEED FOR OCTAL DIG
          000206
34 00162 006301 2$:
                         ASL
                                  R1
                                                           GET NEXT BIT
35 00164 001403
                         BEQ
                                  OUT
                                                           ; ALL DONE IF 0
B6 00166 106100
                         ROLB
                                  R 0
                                                           ; BUILD THE DIGIT
37 00170 103774
                         BCS
                                  2$
                                                           "MORE TO COME
  30172 000765
                         BR
                                  1 $
                                                           ; NEXT DIGIT, IF ANY
35 00174
                 OUT:
                         . PRINT
                                  #CRLF
                                                           JAPPEND CORDCLED
40 00202 000207
                         RT5
41
42
                         BUFFERS AND THINGS
                 ;
43
44
                          NLIST BEX
```

```
45 00204 015 DEVMSG: . ASCII (15)(12)/DEVICE:/(200)
45 00216
           114 ERRMSG: . ASCII
                               /LOOKUP ERROR= /(200)
47 88235
            114 ROMSG: . ASCII
                               /LOOKUP RETURNED RO= /(200>
48 00262
            110 HUHMSG: . ASCIZ /HUH?/
49 00267
            000 CRLF:
                       . BYTE
50
                        . EVEN
51 00270
                AREA:
                      . BLKN
                                3
52 00276
                OUTSPC: .BLKW
                                15.
```

. MRIN. RT-11 MACRO VM02-12 23-APR-76 17:20:12 PAGE 1+

53 00334 INSPC: .BLKW 24. 54 00414 000000 DEFEXT: .WORD 0,0,0,0 55 .NLIST SYM 56 000000' .END START

ERRORS DETECTED: 0

FREE CORE: 15549. NORDS

LOKTST, TT:=LOKTST

ERRORS DETECTED: 0

FREE CORE: 15549. NORDS

*^C

.R LINK *LOKTST=LOKTST

*^C

.R LOKTST

DEVICE: *RK:LOKTST. MAC LOOKUP RETURNED RO= 000003

DEVICE: *LOKTST. SAV

LOOKUP RETURNED RO= 000002 OK

DEVICE: *LOKIST. XXX

LOOKUP ERROR = 000001

FILE DOES NOT EXIST, OK

LOOKUP RETURNED R0= 001334

DEVICE: * RK:

LOOKUP RETURNED RO = 001334 RETURNS ADDRESS OF DEVBLK,

NOT @ AS ADVERTISED.

DEVICE: *TT:

LOOKUP RETURNED RO= 001334

DEVICE: * CC

30289

Tigital

SOFTWARE
PERFORMANCE
REPORT

FIELD #: SPR #:

| Page 1 of 1

SYSTEM PROGR	AM AND VERS	SION (OR DOCUMENT)		MONITOR AND VERSION DATE				ATE
FORT	RAN VO1C			RT-11 V026-02			27-APR-76	
				DEC OFFICE				
NAME: Dr. (C.D. Lowens	stein		San Di	.ego			
	-	l Laboratory California, San Di	Lego	REPORT	TYPE		PRIORI	ITY
ADDRESS:	,		8-	₩ LOG	IC/CODING ER	ROR [·W
\mathtt{MPL}	Bldg. 106			🔲 рос	UMENTATION	ERROR	₩ sτ⁄	ANDARD
Naval	Undersea	Center		☐ sug	GESTION	[🗀 ніс	GH
San I	lego, Ca.	PHONE:	2	☐ INQU	JIRY			
				FOR	YOUR INFOR	MATION		
William B.		(714)-452-2310		CAN TH	F PROBLEM BI	E REPRODU CE D	AT W	VILL?
		•			XX YES	□ NO		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Program I:	isting and	SYSTEM DEVICE	LAGNACI	RY SIZE	DISTRIBUTION			
11/40	8451	RK05		8K	RXO5	MEDIUM		
11/40	0471	COM		OK	\MOJ			
PROBLEM: Different versions of the FORTRAN OTS (NHD, EIS, FIS, &EAE were tested) handle the problem of converting the real number -32768. to integer form in an inconsistent manner. As the attiched program IRTEST and its output show, NHD reports integer overflow and aborts the conversion, EIS & FIS perform the conversion without complaining, and EAE gets the wrong answer. PIAGNOSIS: a) Different programmers have different ideas about how to do things. b) The module \$IR in the EAE version fails to take into account the fact That normalizing the numbers 100000(8) and 140000(8) gives the same result in the normalize shift count register (a special case for the EAE).						rm in an put show, IS perform er. hings. the fact he same		
CURE:	b) Fo in so	or the EAE problem or the general pro- nteger -32768, I r ome users may want I do.)	oblem orecomme	f inconsis nd that it	stency in t be allowe	he treatmen d as a vali	t of d int	the teger, since

(//)

: ILL Chi:	
.R FORTRA *IRTEST,TT:	=IRTEST/L:1
FORTRAN IV	V01C-03A TUE 27-APR-76 15:55:15 PAGE 001
0001	PROGRAM IRTEST
C C C	FLOAT ALL INTEGERS, FIX THEM, AND COMPARE RESULTS CALL SETERR(1,0) TYPE 100
0004 0005 10	DO 10 I=32767;-32767;-1 !DO ALL NORMAL INTEGERS IN LOOP CALL ICHECK(I)
	CALL ICHECK(I) !I COMES OUT OF LOOP = -32768
0007	STOP FORMAT (' IRTEST - TEST_INTEGER TO REAL CONVERSIONS') END
FORTRAN_IV	V01C-03A TUE 27-APR-76 15:55:36 PAGE 001
0001	CHROHITAE TOUCOKITY
0002	SUBROUTINE ICHECK(I) R = I
0003 0004 0006	J = R
0007 100 0008	FORMAT (X,1,0,' FLOAT-> ',F,' IFIX-> ',,0)
*^C •R LINK *IRTEST•NHI	==IRTEST,FORLIB.NHD
*IRTEST.EIS	=IRTEST.\.FORLIB.EIS
*IRTEST.FIS	G=IRTEST, FORLIB. FIS
*IRTEST.EAE	=IRTEST, FORLIB, EAE/L/I EAE. WILL PUNCH
LIBRARY SEA \$SIMRT \$8K	TO STAND ALONE SYLVEN

\$IR CONVERSION MODULE

BETWEEN 100000 AND 140000

(13) CAN'T TELL DIFFERENCE

(EAE VERSION)

30284

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SOFTWARE
PERFORMANCI
REPORT

		•
FIELD #:	SPR #: ([Jij Nagariana ha	
	FOR DEC USE ONLY	Page 1 of 1

SYSTEM PROGR	AM AND VERSION	(OR DOCUMENT)		MONITOR A	ND VERSION	DATE
MONITOR			1 •	702C-02	26- R PR-76	
				DEC OFFICE		
NAME: Dr. C.	D.Lowenstein			San Die	ego .	
FIRM: Marine	Physical Labo	ratory				
		rnia, San Diego)	REPORT	TYPE	PRIORITY
ADDRESS:			X LOG	IC/CODING ERROR	Low	
MPL BLDG. 106				□ рос	UMENTATION ERROR	X STANDARD
	Undersea Cente	r		☐ sug	GESTION	П ні д н
		ZIP 9213	2	☐ INOL	JIRY	
San Diego, Ca. PHONE:					YOUR INFORMATION	
William B	• Fincke (714)-452-2310				
LIST ATTACHM	ENTS	·		CAN TH	E PROBLEM BE REPRO	
Program 1	isting and pri	ntout			X YES N	10
CPU TYPE	SERIAL NO.	SYSTEM DEVICE		RY SIZE	DISTRIBUTION MEDIU	М
11/40	8451	RKO5	28	SK.	RKO5	
Proble	condition p exists unti	ermanently, eve	en whe rforms	en the property a . HERR :	ckgound into the gram exits. This request. This wo	s condition
Diagno	sis: The soft		ip/flo	•	reset to the defa	ault contition
		ed program list #30283 for li			ut demonstrate the program.)	ne problem.

R PHURU

*SERR, TT: =SERR

.MAIN. RT-11 MACRO VM02-12 26-APR-76 09:01:45 PAGE 1

```
1
                           PROGRAM SERR
2
3
                           PROGRAM DOES . SERR AND THEN EXITS
4
5
                           . MCALL
                                   . SERR, . EXIT, . . V2. .
6 000000
                           .. V2..
7 000000
                  START:
                           . SERR
8 000006
                           . EXIT
          0000001
                           . END
                                    START
```

CATE OFOENIES

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```
. MAIN. RT-11 MACRO VM02-12 26-APR-76 09:01:45 PAGE 1+
SYMBOL TABLE
START
       000000R
                     ... V2 = 000001
 ABS.
       000000
                 000
       000010
                 001
ERRORS DETECTED: 0
FREE CORE: 16053. WORDS
SERR, TT: = SERR
ERRORS DETECTED: 0
FREE CORE: 16053. WORDS
*^C
.R LINK
*SERR=SERR
*^C
.R LOKTST
DEVICE: *RK:
LOOKUP RETURNED RO= 001334
DEVICE: *TT:
                             MONITOR TRAPS ERROR
LOOKUP RETURNED RO= 001334
                             FROM LOOKUP WITH
D. ICE: *RF:
?M-NO DEV 001066
                              NO FETCH
. R SERR
                               DOES. SERR, EXITS
 .R LOKIST
 DEVICE: *RK:
 LOOKUP RETURNED RO= 001334
 DEVICE: *TT:
 LOOKUP RETURNED RO= 001334
 DEVICE: *RF:
                                  MONITOR NO LONGER
 LOOKUP ERROR= 177776
 LOOKUP RETURNED R0= 001334
                                   TRAPS HOLD ISPRORS.
 DEVICE: *LP:
                                   WHICH IT SHOULD.
 LOOKUP ERROR= 177776
 LOOKUP RETURNED RO= 001334
                                   LOKIST DOES NOT
                                   DO SERR, SO DEFAULT
 DEVICE: *RP:
 LOOKUP ERROR= 177776
 LOOKUP RETURNED RO= 001334
                                   SHOULD BE . HERR.
 レビVICE:*RQ:
 LOOKUP ERROR= 177776
```

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LOOKUP RETURNED RO= 001334

DEVICE: * C

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SUFI	WARE	COMM	DIVICA	1101/12	USE	ONLY

DO NOT	DATE RECEIVED	BACK FROM MAINTAINER	LOGGED ON
PUBLISH	 TO MAINTAINER	DATE CLOSED	LOGGED OFF



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